

Please type a plus sign (+) inside this box →



PTO/SB/05 (03-01)

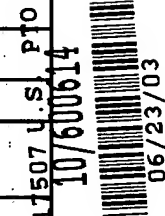
Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

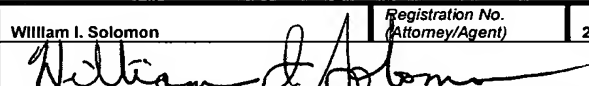
UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b))		Attorney Docket No.		503.35255V13			
		First Inventor		K. AOTA, et al.			
		Title	FRICTION STIR WELDING METHOD AND STRUCTURE BODY FORMED BY FRICTION STIR WELDING				
		Express Mail Label No.					
APPLICATION ELEMENTS SEE MPEP chapter 600 concerning utility patent application contents.				ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231			
<div><div><div>1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <small>(Submit an original and a duplicate for fee processing)</small></div><div>2. <input checked="" type="checkbox"/> Please charge any shortages in the fees or credit any over-payments thereof to the deposit account of Antonelli, Terry, Stout & Kraus, Deposit Account No. 01.2135</div><div>3. <input checked="" type="checkbox"/> Specification <small>(preferred arrangement set forth below)</small> [Total Pages: 23]</div><div>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Pages: 8]</div><div>5. Oath or Declaration [Total Pages: 2]<div>a. <input type="checkbox"/> Newly executed (original or copy)</div>b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d)) <small>(for continuation/divisional with Box 18 completed)</small><div>i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) Named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)</div></div></div><div>6. <input checked="" type="checkbox"/> Incorporation By Reference (use if Box 5b is checked). The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</div></div> <div><div>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</div><div>8. Nucleotide and/or Amino Acid Sequence Submission <i>if applicable, all necessary</i><div>a. <input type="checkbox"/> Computer Readable Form (CRF)</div>b. Specification Sequence Listing on:<div>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</div>ii. <input type="checkbox"/> paper</div>c. <input type="checkbox"/> Statements verifying identity of above copies</div>							

Burden Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<h2 style="margin: 0;">FEE TRANSMITTAL</h2> <h3 style="margin: 0;">for FY 2002</h3> <p style="margin: 0;"><i>Patent fees are subject to annual revision.</i></p>				Complete if Known																																																																																																																																																																																
				Application Number		Not Assigned Yet																																																																																																																																																																														
				Filing Date		On even date herewith																																																																																																																																																																														
				First Named Inventor		K. AOTA, et al.																																																																																																																																																																														
				Examiner's Name in Parent		R. Canfield																																																																																																																																																																														
Group Art Unit in Parent		3635		Attorney Docket No.		503.35255V13																																																																																																																																																																														
TOTAL AMOUNT OF PAYMENT				(\$) 918.00																																																																																																																																																																																
METHOD OF PAYMENT				FEE CALCULATION (continued)																																																																																																																																																																																
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit overpayments to: Deposit Account Number 01-2135 Deposit Account Name Antonelli, Terry, Stout & Kraus, LLP <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant Claims small entity status. See 37 CFR 1.27				3. ADDITIONAL FEES <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examination action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>400</td><td>216</td><td>200</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>920</td><td>217</td><td>460</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,440</td><td>218</td><td>720</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,960</td><td>228</td><td>980</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>320</td><td>219</td><td>160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>320</td><td>220</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>280</td><td>221</td><td>140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,280</td><td>241</td><td>640</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,280</td><td>242</td><td>640</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>460</td><td>243</td><td>230</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>620</td><td>244</td><td>310</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>740</td><td>246</td><td>370</td><td>For each additional invention to be examined (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>149</td><td>740</td><td>249</td><td>370</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>179</td><td>740</td><td>279</td><td>370</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> </tbody> </table>				Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge - late filing fee or oath		127	50	227	25	Surcharge - late provisional filing fee or cover sheet		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination		112	920*	112	920*	Requesting publication of SIR prior to Examination action		113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action		115	110	215	55	Extension for reply within first month		116	400	216	200	Extension for reply within second month		117	920	217	460	Extension for reply within third month		118	1,440	218	720	Extension for reply within fourth month		128	1,960	228	980	Extension for reply within fifth month		119	320	219	160	Notice of Appeal		120	320	220	160	Filing a brief in support of an appeal		121	280	221	140	Request for oral hearing		138	1,510	138	1,510	Petition to institute a public use proceeding		140	110	240	55	Petition to revive - unavoidable		141	1,280	241	640	Petition to revive - unintentional		142	1,280	242	640	Utility issue fee (or reissue)		143	460	243	230	Design issue fee		144	620	244	310	Plant issue fee		122	130	122	130	Petitions to the Commissioner		123	50	123	50	Processing fee under 37 CFR 1.17(q)		126	180	126	180	Submission of Information Disclosure Stmt		581	40	581	40	Recording each patent assignment per property (times number of properties)		146	740	246	370	For each additional invention to be examined (37 CFR § 1.129(a))		149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))		179	740	279	370	Request for Continued Examination (RCE)		169	900	169	900	Request for expedited examination of a design application	
Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																
105	130	205	65	Surcharge - late filing fee or oath																																																																																																																																																																																
127	50	227	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																
139	130	139	130	Non-English specification																																																																																																																																																																																
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination																																																																																																																																																																																
112	920*	112	920*	Requesting publication of SIR prior to Examination action																																																																																																																																																																																
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																
115	110	215	55	Extension for reply within first month																																																																																																																																																																																
116	400	216	200	Extension for reply within second month																																																																																																																																																																																
117	920	217	460	Extension for reply within third month																																																																																																																																																																																
118	1,440	218	720	Extension for reply within fourth month																																																																																																																																																																																
128	1,960	228	980	Extension for reply within fifth month																																																																																																																																																																																
119	320	219	160	Notice of Appeal																																																																																																																																																																																
120	320	220	160	Filing a brief in support of an appeal																																																																																																																																																																																
121	280	221	140	Request for oral hearing																																																																																																																																																																																
138	1,510	138	1,510	Petition to institute a public use proceeding																																																																																																																																																																																
140	110	240	55	Petition to revive - unavoidable																																																																																																																																																																																
141	1,280	241	640	Petition to revive - unintentional																																																																																																																																																																																
142	1,280	242	640	Utility issue fee (or reissue)																																																																																																																																																																																
143	460	243	230	Design issue fee																																																																																																																																																																																
144	620	244	310	Plant issue fee																																																																																																																																																																																
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																																
123	50	123	50	Processing fee under 37 CFR 1.17(q)																																																																																																																																																																																
126	180	126	180	Submission of Information Disclosure Stmt																																																																																																																																																																																
581	40	581	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																
146	740	246	370	For each additional invention to be examined (37 CFR § 1.129(a))																																																																																																																																																																																
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																																																
179	740	279	370	Request for Continued Examination (RCE)																																																																																																																																																																																
169	900	169	900	Request for expedited examination of a design application																																																																																																																																																																																
2. BASIC FILING FEE <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Large Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>740</td><td>201</td><td>370</td><td>Utility filing fee</td><td>750.00</td></tr> <tr><td>106</td><td>330</td><td>206</td><td>165</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>510</td><td>207</td><td>255</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>740</td><td>208</td><td>370</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>160</td><td>214</td><td>80</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="5" style="text-align: right;">SUBTOTAL (1)</td><td>750.00</td></tr> </tbody> </table>				Large Fee Code	Large Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid	101	740	201	370	Utility filing fee	750.00	106	330	206	165	Design filing fee		107	510	207	255	Plant filing fee		108	740	208	370	Reissue filing fee		114	160	214	80	Provisional filing fee		SUBTOTAL (1)					750.00	1. EXTRA CLAIM FEES <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>13 - 20**</td> <td>=</td> <td>x 18.00</td> <td>= 0.00</td> </tr> <tr> <td>Indep. Claims 5-3**</td> <td>= 2</td> <td>x 84.00</td> <td>= 168.00</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td>= 0.00</td> </tr> </tbody> </table>				Total Claims	Extra Claims	Fee from below	Fee Paid	13 - 20**	=	x 18.00	= 0.00	Indep. Claims 5-3**	= 2	x 84.00	= 168.00	Multiple Dependent			= 0.00																																																																																																																			
Large Fee Code	Large Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																															
101	740	201	370	Utility filing fee	750.00																																																																																																																																																																															
106	330	206	165	Design filing fee																																																																																																																																																																																
107	510	207	255	Plant filing fee																																																																																																																																																																																
108	740	208	370	Reissue filing fee																																																																																																																																																																																
114	160	214	80	Provisional filing fee																																																																																																																																																																																
SUBTOTAL (1)					750.00																																																																																																																																																																															
Total Claims	Extra Claims	Fee from below	Fee Paid																																																																																																																																																																																	
13 - 20**	=	x 18.00	= 0.00																																																																																																																																																																																	
Indep. Claims 5-3**	= 2	x 84.00	= 168.00																																																																																																																																																																																	
Multiple Dependent			= 0.00																																																																																																																																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Large Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>102</td><td>84</td><td>202</td><td>42</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>104</td><td>280</td><td>204</td><td>140</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>109</td><td>84</td><td>209</td><td>42</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr><td colspan="5" style="text-align: right;">SUBTOTAL (2) \$</td><td>168.00</td></tr> </tbody> </table>				Large Fee Code	Large Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid	103	18	203	9	Claims in excess of 20		102	84	202	42	Independent claims in excess of 3		104	280	204	140	Multiple dependent claim, if not paid		109	84	209	42	** Reissue independent claims over original patent		110	18	210	9	** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2) \$					168.00	Other fee (specify) _____ SUBTOTAL (3) (\$) 0.00																																																																																																																																						
Large Fee Code	Large Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																															
103	18	203	9	Claims in excess of 20																																																																																																																																																																																
102	84	202	42	Independent claims in excess of 3																																																																																																																																																																																
104	280	204	140	Multiple dependent claim, if not paid																																																																																																																																																																																
109	84	209	42	** Reissue independent claims over original patent																																																																																																																																																																																
110	18	210	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																
SUBTOTAL (2) \$					168.00																																																																																																																																																																															
**or number previously paid, if greater; For Reissues, see above.				*Reduced by Basic Filing Fee Paid																																																																																																																																																																																

SUBMITTED BY		Complete (if applicable)			
Name (Print/Type)	William I. Solomon	Registration No. (Attorney/Agent)	28,565	Telephone	(703) 312-6600
Signature			Date	June 23, 2003	

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.